



Legend

Sound effect threshold (Popper et al., 2014) for 3.000kj monopile (S8 Bravo)

- 186 dB: TTS
- 203 dB: Recover/Injury
- 207 dB: Mortality
- Spawning Grounds (Coull et al., 1998)
- Nursery Grounds (Cefas, 2010)
- High Intensity
- Low Intensity

Average herring larvae density pr. m2 (IHLS, TotPerm2)

- 0 - 50
- 50 - 100
- 100 - 500
- 500 - 1000
- 1000 - 5397

Coordinate System
UTM Zone 30 North (WGS84)
Projection: Transverse Mercator
Central Meridian: -3° East
Scale Factor: 0.9996
Latitude of Origin: 0° North
False Easting: 500000.0
False Northing: 0.0
Reference Spheroid: WGS84
Semi-major Axis: 6378137.0
Inverse Flattening: 298.2572236

Project:
Firth of Forth Offshore Wind Farm



Figure / Drawing Title:
**NOISE CONTOURS (GROUP 3 FISH INCLUDING HERRING)
FOR 3,000KJ MONOPILE AND 1,800KJ JACKET INSTALLATION
AT PROJECT BRAVO**

Figure/Drawing Number: FIGURE 9.19

UNLESS THE REVISION IS **B** OR HIGHER THE DRAWING IS **NOT TO BE USED FOR DESIGN OR CONSTRUCTION**

REV	DATE	DESCRIPTION	BY	CKD	APPR DEV	APPR ENG
B0	26 JUN 2018	FOR FORMAL SUBMISSION	CFI	NB	LR	HD